

Title (en)  
CO-CONTINUOUS INTERCONNECTING CHANNEL MORPHOLOGY POLYMER HAVING CONTROLLED GAS TRANSMISSION RATE THROUGH THE POLYMER

Title (de)  
POLYMER MIT EINER MORPHOLOGIE AUS MIT- UND UNTEREINANDER VERBUNDENEN KANÄLEN MIT EINER KONTROLLIERTEN GASDURCHLÄSSIGKEIT

Title (fr)  
POLYMERES A MORPHOLOGIE DE CANAUX INTERCONNECTES CO-CONTINUS PRESENTANT UN TAUX REGLE DE TRANSMISSION DE GAZ A TRAVERS LE POLYMERES

Publication  
**EP 1268627 A4 20040616 (EN)**

Application  
**EP 01914692 A 20010306**

Priority

- US 0107072 W 20010306
- US 18698700 P 20000306
- US 62763000 A 20000728

Abstract (en)  
[origin: WO0166625A1] The present invention includes a composition having a co-continuous interconnecting channel morphology for controlled gas transmission rate. These co-continuous interconnecting channels are predominately occupied with a polymer and particles that control the percolation through the composition. The polymer composition may be used to form a desired shaped article such as plug type inserts and liners for closed containers, or it may be formed into a film, sheet, bead or pellet.

IPC 1-7  
**C08J 9/26**; **C08J 9/28**; **C08L 29/04**

IPC 8 full level  
**B01D 39/16** (2006.01); **B01J 20/28** (2006.01); **B65D 81/26** (2006.01); **C08J 9/26** (2006.01); **C08L 23/02** (2006.01); **C08L 23/10** (2006.01); **C08L 29/04** (2006.01); **C08L 69/00** (2006.01); **C08L 77/00** (2006.01); **F26B 21/08** (2006.01); **C08L 23/08** (2006.01); **C08L 71/02** (2006.01); **C08L 101/00** (2006.01)

CPC (source: EP US)  
**B01D 39/16** (2013.01 - EP US); **B01J 20/28014** (2013.01 - EP US); **B01J 20/28026** (2013.01 - EP US); **B01J 20/28033** (2013.01 - EP US); **B01J 20/28042** (2013.01 - EP US); **B65D 81/264** (2013.01 - EP US); **C08J 9/26** (2013.01 - EP US); **C08L 23/02** (2013.01 - EP US); **C08L 23/06** (2013.01 - EP US); **C08L 23/0815** (2013.01 - EP US); **C08L 23/10** (2013.01 - EP US); **C08L 29/04** (2013.01 - EP US); **C08L 69/00** (2013.01 - EP US); **C08L 77/00** (2013.01 - EP US); **F26B 21/083** (2013.01 - EP US); **C08L 23/0853** (2013.01 - EP US); **C08L 71/02** (2013.01 - EP US); **C08L 101/00** (2013.01 - EP US); **C08L 2205/035** (2013.01 - EP US)

Citation (search report)

- [PX] WO 0017258 A1 20000330 - CAPITOL SPECIALTY PLASTICS INC [US]
- [PX] WO 0016884 A1 20000330 - CAPITOL SPECIALTY PLASTICS INC [US]
- [E] WO 0160897 A1 20010823 - CAPITOL SPECIALTY PLASTICS INC [US], et al
- [X] WO 9961856 A1 19991202 - CAPITOL SPECIALTY PLASTICS INC [US]
- [X] WO 9732663 A1 19970912 - CAPITOL VIAL INC [US]
- See references of WO 0166625A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0166625 A1 20010913**; AU 4005001 A 20010917; EP 1268627 A1 20030102; EP 1268627 A4 20040616; US 2002132869 A1 20020919; US 6465532 B1 20021015

DOCDB simple family (application)  
**US 0107072 W 20010306**; AU 4005001 A 20010306; EP 01914692 A 20010306; US 6103702 A 20020130; US 62763000 A 20000728